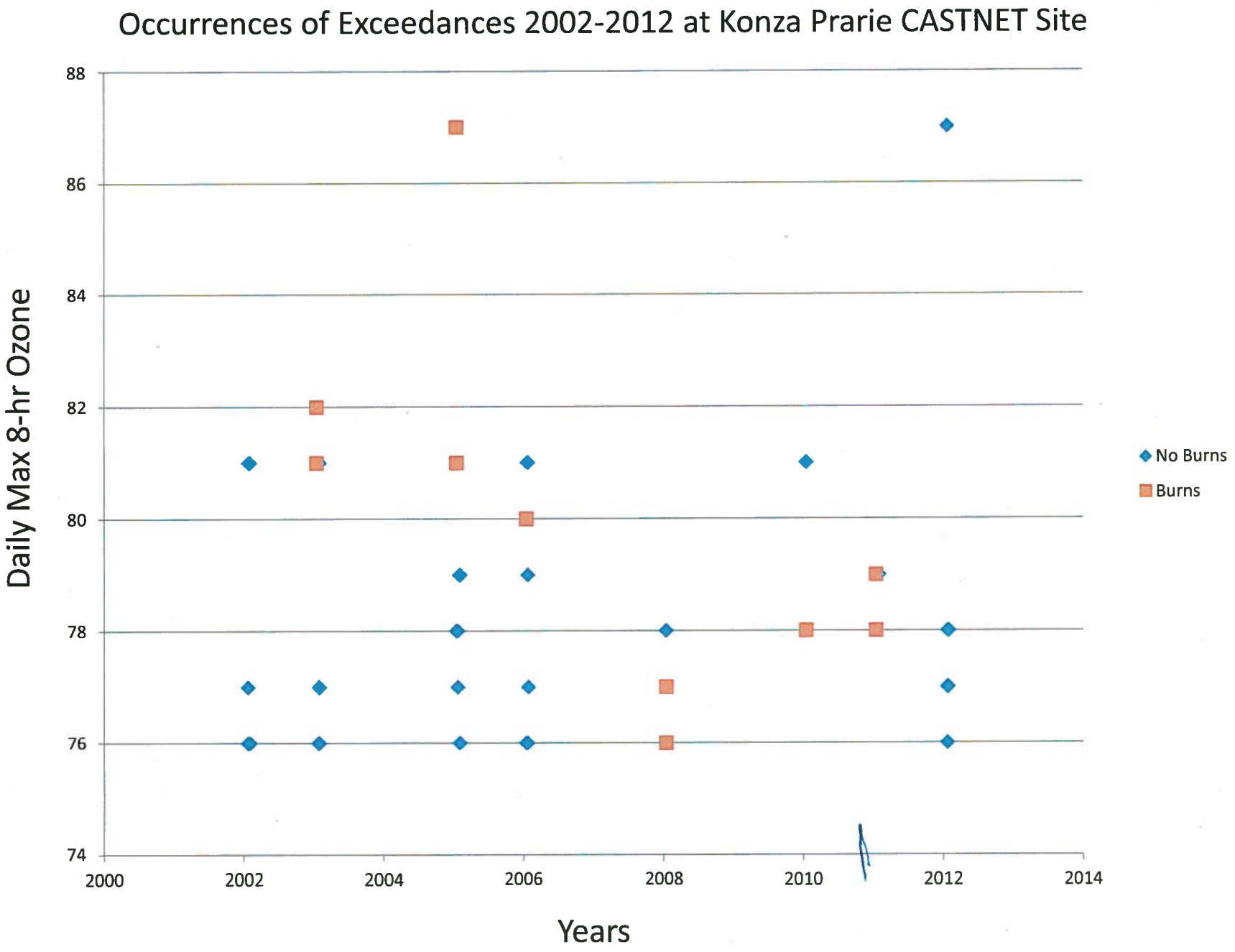
GRINET

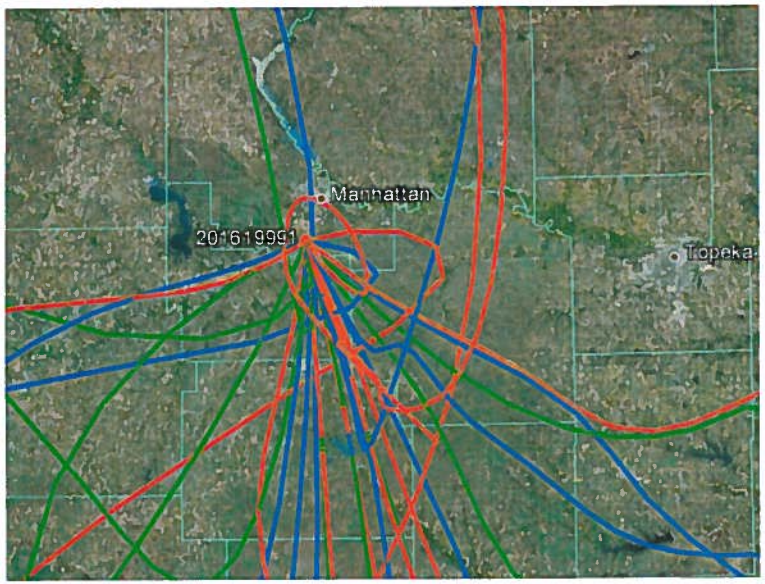
Notes on the graph.

- Data show 33 exceedances days with no burn on that day or the previous day
- Data show 10 exceedance days with a burn on that day or the previous day
- In the period 2011-12, when Konza Prarie site is Part 58 compliant, there were 5 exceedance days with no burn on that day or the previous day, and 2 exceedance days with burns on that day or the previous day.
- This data does not change my earlier conclusion that ozone exceedances at the Konza Prarie site are not significantly/exclusively impacted by burns at Konza Prarie.

Notes on the HYSPLIT trajectories

- Trajectories on exceedance days with no burn clearly show influence from areas southeast-through-southwest of the site.
- Trajectories in exceedance days with a burn show influence from the same areas, which include the burn sites.
- From these trajectories, I cannot determine the level of contribution from the burn site, or the level of contribution from the other areas that are contributing on non-burn days.


Occurrences of Exceedances 2002-2012 at Konza Prarie CASTNET Site
Daily Max 8-hr Ozone
88
86
84
82
80
78
76
74
2000
2002
2004
2006
2008
2010
2012
2014
Years
No Burns
Burns

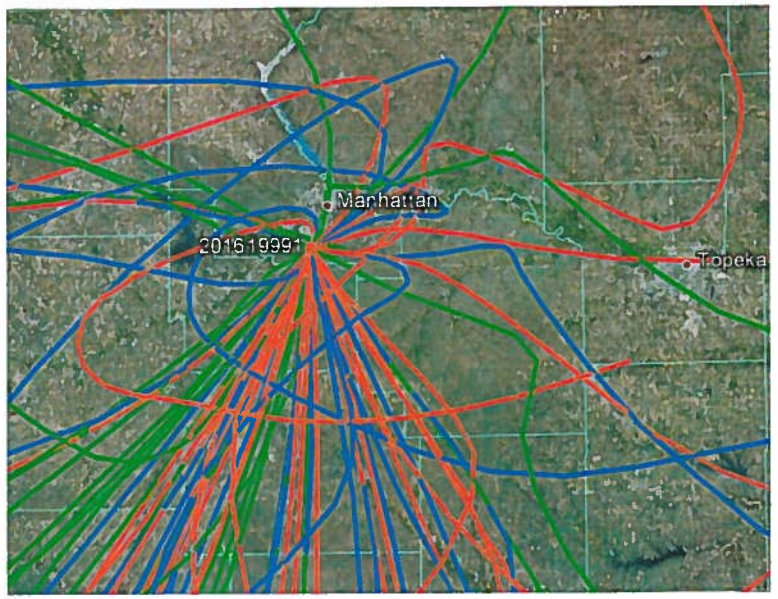


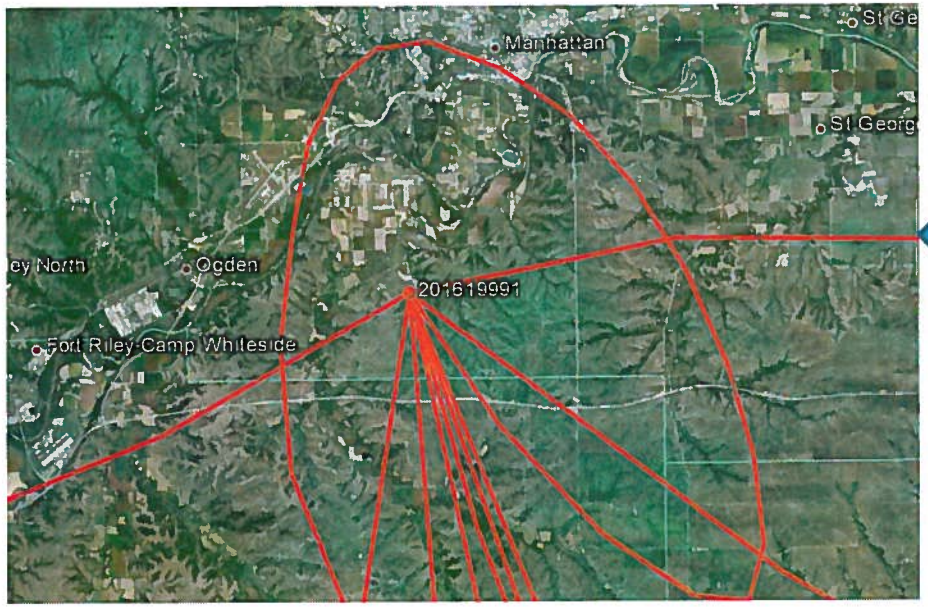
These are HYSPLIT trajectories for exceedance days with a burn on that day or the previous day.

Trajectories indicate the burn areas could have contributed to concentrations at Konza Prarie site.

These are HYSPLIT trajectories for exceedance days with no burn on that day or the previous day.

Most trajectories follow the same path as those for burn days, suggesting that other sources in the same direction may be contributing to concentrations at the Konza Prarie site.





These are the low-level (100 m) trajectories for exceedance days with a burn on that day or the previous day, shown in a magnified view.

These are the low-level (100 m) trajectories for exceedance days with no burn on that day or the previous day, shown in a magnified view.